

IDENTITY AND ADDRESS

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PRODUCT INFORMATION

PVC film

MAIN INGREDIENTS

Polyvinylchloride and/or copolymer vinyl chloride-vinyl acetate.
Opaque and transparent coloured products contain colorants, pigments and/or mineral fillers. Phthalate – unplasticised material.

HANDLING – STORAGE – TRANSPORT**Precautions for safe handling**

Suitable precautionary measures must be taken to ensure that exposure levels are within the applicable limits. Prevent dust information during machining of finished product. During granulation avoid formation of dust. If a product creates dust, a protection mask should be worn.

Measures for the environment

Make provision for adequate ventilation. In case of thermal treatment (hot processing) remove fumes, assure adequate ventilation and avoid inhalation of fumes - gases.

Measures to prevent aerosol

Avoid static electricity, particularly where explosive atmosphere exists. The static electricity may be a problem when film is processed at high speed (reels) or if used in environment at low humidity level. It is recommended that personnel handling statically-charged films should be protected.

Storage-safe conditions

We recommend storage in the original packaging at temperatures below 30°C and at 50 - 60% relative humidity. Avoid the exposure to moisture or direct sunlight. Partially used pallets must be re-wrapped to avoid dust and sunlight.

Special transport requirements (ONU Number, ADR/RID/RMP, IMO, IATA)

Not applicable.

FIRE MEASURES

PVC is self-extinguishing when removed from the flame

Flammability / solubility

PVC Flash ignition point (FIT) ASTM D1929: 390 C

PVC Self ignition point (SIT) ASTM D 1929: 450 C

PVC is soluble in cyclohexanone, tetrahydrofuran, dichloroethane

Decomposition temperature

Decomposition temperature PVC: > 120°C long term exposure; > 250°C short term exposure. Thermal decomposition occurs very slowly at lower temperatures but accelerates at higher temperatures.

Suitable extinguishing media

Suitable extinguishing media: extinguishing power, water spray, CO₂, foam extinguishers.

Special protective equipment for fire-fighters

In case of fire, toxic gases may develop. Firemen should wear self-contained breathing apparatus.

After skin contact with molten film, seek medical advice. No thermal decomposition when stored and handled correctly. Hazardous decomposition products: caused by smouldering and incomplete combustion toxic fumes mainly consisting of carbon monoxide CO, carbon dioxide CO₂, hydrochloric acid, carbonized residues of combustion can be developed.

Do not discharge waste water from fire extinguishing into river, sea or lakes.

Conditions and materials to avoid

PVC is normally:

- acid resistant (exception: sulphuric acid (> 90%) and nitric acid (> 50%)
 - basic aqueous solutions resistant up to 60°C: above this temperature, strong acids attack the polymer.
- Bromine and fluorine reacts with PVC at room temperatures.

Classification

Films are not considered dangerous according to directive 1999/45/EEC and 67/548/EEC.

PVC is not harmful or hazardous.

Traces of vinyl chloride monomer (VCM) and vinyl acetate (VAM, if copolymer) are present: both substances are ARC classified.

VCM is a gas that could be released in the work environment. Traces could be detectable.

DISPOSAL CONSIDERATIONS**Recycling is recommended.**

If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws.

This document has been prepared by INEOS Films on the base of the actual knowledge available and given in good faith without warranty. It is intended as a technical guideline for the user.

INEOS Films do not guarantee that every possible environmental and safety measure has been evaluated. Under special operational conditions, further measures may be needed.

The use of this information and conditions of use are not under control of INEOS Films: the final user must take responsibility for safety conditions for the final application.